PATENT

GENETIC MARKERS OF TOXICITY, PREPARATION AND USES

DESCRIPTIVE SUMMARY

The present invention describes new methods for the determination of the potential toxicity of test compounds, as well as the kits and tools for the implementation of these methods. The invention also describes methods for generating nucleic acid sequences that can be used as genetic markers of toxicity. The invention is based in particular on the creation of differential nucleic acid banks characteristic of situations in which cell viability and/or proliferation are deregulated, and on the demonstration that these banks can be used to evaluate the toxicity profile of compounds with reliability and high sensitivity. The invention is of special utility in the pharmaceutical industry for analysis of the toxicity profile of compounds involved in drug development and/or in pharmaceutical compositions.